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John Colter, Netscape Navigator

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# 1 A model for next generation hypermedia systems

Hermann Maurer, Ivan Tomek

April 1999 **Proceedings of the 19th annual conference on Computer Science**

Full text available:  pdf(1.15 MB)

Additional Information: full citation, references

2 A synchronization model for recorded presentations and its relevance for information retrieval

W. Hürst, R. Müller

October 1999 **Proceedings of the seventh ACM international conference on Multimedia**  
(Part 1)

Full text available:  pdf(1.84 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

In order to improve the acceptance of recorded presentations, we introduce a new open document type covering a wide range of different media classes typically appearing in this scenario. Instances of this document type can be replayed using our time-based synchronization model. Random access in combination with the realized stream/media-layered synchronization mechanism results in essential features such as Random Visible Scrolling and Unrestricted Cross-Referencing ...

### 3 Direct manipulation of temporal structures in a multimedia application framework

P. Ackermann

October 1994 **Proceedings of the second ACM international conference on Multimedia**

Full text available:  pdf(883.13 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

The design of complex multimedia documents presents new challenges to authoring systems, because spatial and temporal features should be visualized and made accessible in an intuitive and direct-manipulative way. In this study, multimedia presentations are considered as hierarchical compositions of time objects that define serial or parallel synchronization of the inserted media objects. Media composition hierarchies support automatic temporal layout mechanisms. They are integrated into an ...

#### 4 Intel MMX for multimedia PCs


Alex Peleg, Sam Wilkie, Uri Weiser

January 1997 **Communications of the ACM**, Volume 40 Issue 1

Full text available:  [pdf\(3.15 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

## 5 ABSTRACTS OF INTEREST


January 1987 **ACM SIGCHI Bulletin**, Volume 18 Issue 3

Full text available:  [pdf\(445.91 KB\)](#) Additional Information: [full citation](#)

## 6 An information system based on distributed objects

Michael Caplinger

December 1987 **ACM SIGPLAN Notices , Conference proceedings on Object-oriented programming systems, languages and applications**, Volume 22 Issue 12


Full text available:  [pdf\(1.33 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Telesophy system is intended to provide transparent access to all of a community's online information. The scale of the system requires that it be distributed across many machines via a network; the multiple types and formats of the information require that it be a multimedia system. We describe a prototype that uses objects to represent, query, display, and edit information. A two-level storage system is used to store the objects on multiple servers; queries are proces ...

## 7 A federated multimedia database system

Henrike Berthold

October 1999 **Proceedings of the seventh ACM international conference on Multimedia (Part 2)**


Full text available:  [pdf\(188.29 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** federated databases, multimedia databases, object-oriented databases

## 8 Transmitting MPEG-4 video streams over the Internet: problems and solutions

Gerald Kühne, Christoph Kuhmünch

October 1999 **Proceedings of the seventh ACM international conference on Multimedia (Part 2)**

Full text available:  [pdf\(516.94 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** MPEG-4, RTP payload, real-time transport protocol, video on demand

## 9 Lessons learned from implementing the CORBA persistent object service

Jan Kleindienst, František Plášil, Petr Tůma

October 1996 **ACM SIGPLAN Notices , Proceedings of the 11th ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications**, Volume 31 Issue 10

Full text available:  [pdf\(2.16 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper, the authors share their experiences gathered during the design and implementation of the CORBA Persistent Object Service. There are two problems related to a

design and implementation of the Persistence Service: first, OMG intentionally leaves the functionality core of the Persistence Service unspecified; second, OMG encourages reuse of other Object Services without being specific enough in this respect. The paper identifies the key design issues implied both by the intentional la ...

#### 10 Object composition and playback models for handling multimedia data

Rei Hamakawa, Jun Rekimoto

September 1993 **Proceedings of the first ACM international conference on Multimedia**

Full text available:  [pdf\(643.98 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** graphical user interface, multimedia object, object-oriented approach, temporal glue

#### 11 Toolkit for shared hypermedia on a distributed object oriented architecture

Rajiv Trehan, Nobuyuki Sawashima, Koji Yamaguchi, Koichi Hasebe

September 1993 **Proceedings of the first ACM international conference on Multimedia**

Full text available:  [pdf\(61.10 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

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